

BLAST ATTENUATION DEVICE AND METHOD

ABSTRACT OF THE DISCLOSURE

5 The present invention provides systems and methods for producing a shield
for protecting an area from a pressure blast. The shield, which attenuates the pressure
blast, can be used with tall, mobile, and underwater structures, including structures in
densely populated areas. One system includes a source for providing an attenuation
material, a delivery system that delivers the attenuation material to nozzles, and at
least one valve device to control the delivery. A detector is configured to actuate the
10 valve device to an open position in response to a perceived blast threat so that the
delivery system delivers the attenuation material to form the shield proximate to a
periphery of the protected area.

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